

## EAST Search History

### EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"05179936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/21 13:09
L2	1	("20040107693").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/21 13:10
S1	1	(10/578747).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:32
S2	8	((TOMOKAZU) near2 (MURAGUCHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/04/20 08:33
S3	27	((TOMOKAZU) near2 (MURAGUCHI)).INV.	EPO; JPO; DERWENT	ADJ	ON	2010/04/20 08:33
S4	4	(S2 or S3) and (secondary near2 air)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 08:34
S5	2	(10/578923).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:41
S6	13	"5113651"   "5119631"   "5140810"   "5235956" "5325663"   "5388401"   "5400591"   "5809773" "5852929"   "6609364"   "6708668"   "6830043" "6912845").PN. OR ("7637097").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 08:41
S7	2	("5582929") or ("5140810").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:46
S8	2	("5852929") or ("5140810").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:47

S9	2	"0663516"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 08:50
S10	29	"663516"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 08:51
S11	1	("5560199").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:51
S12	2	"10344910"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 08:52
S13	1	("20040074453").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:52
S14	2	(10/277475).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:54
S15	11	("20030061805"   "3894984"   "5706653"   "5743085"   "5782086"   "5814283"   "5852929"). PN. OR ("6983590").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 08:54
S16	11	("5542292"   "5615552"   "5735121"   "5782086" "6023401"   "6830043"   "6918245"   "6983590").PN. OR ("7222483").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 08:56
S17	1	((2004011027) or ((20040107693)).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:58
S18	2	((20040011027) or ((20040107693))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:58
S19	2	(10/637644).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 08:59

S20	10	("5381658"   "5388402"   "5444978"   "5852929"   "6122910"   "6170259").PN. OR ("6973777").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 08:59
S21	2	(10/449670).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 09:00
S22	22	("5140810"   "5400591"   "5519992"   "5560199"   "5706653"   "5782086"   "5852929"   "5921077"   "6023401"   "6138504"   "6233925"   "6393833").PN. OR ("6918245").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 09:00
S23	3	"20050120711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:05
S24	0	"2003405986"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:06
S25	10	("5381658"   "5444978"   "5499502"   "5852929"   "6918245"   "6973777").PN. OR ("7140177").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 09:06
S26	15	("3723070"   "5257501"   "5265418").PN. OR ("5444978").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 09:08
S27	19	("4231220"   "5060474"   "5113651"   "5119631"   "5140810").PN. OR ("5381658").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 09:10
S28	8	("4180975"   "5065575"   "5140810"   "5444978").PN. OR ("5499502").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 09:17
S29	2568	(60/273,277,289,293,304,305,307).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 09:22
S30	177	(60/305).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 09:22

S31	64	S30 and (secondary near2 air)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 09:22
S32	3	"2003314263"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:25
S33	5057	hirooka.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:28
S34	78	S33 and (secondary near2 air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:28
S35	77	S33 and (secondary air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:28
S36	2	"09125945"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:51
S37	32072	(secondary air)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:54

S38	148677	(air near3 pump\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:54
S39	360291	(pressure near3 (sens\$4 or detect\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:54
S40	2085769	(fail\$4 or abnormal\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:55
S41	58	S37 same S38 same S39 same S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:55
S42	345679	((vehicle or engine) near3 speed) or (throttle near3 open\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:56
S43	24	S41 and S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:56
S44	4	S41 and (S42 with S38)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 09:57

S45	5	S41 and (S42 with S37)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 10:01
S46	1	S45 not S44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 10:01
S47	0	(operate or on or start\$4) with air near5 secondary near5 pump with S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 10:03
S48	79	air near5 secondary near5 pump with S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 10:03
S49	9	(operate or on or start\$4) with air near5 secondary near5 pump with S42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 10:03
S50	1	(10/870000).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 10:04
S51	21	air near5 secondary near5 pump with S42 with (level or value or high\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 10:07

S52	19	S51 not S49	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT	ADJ	ON	2010/04/20 10:07
S53	7	S52 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT	ADJ	ON	2010/04/20 10:10
S54	1	("5113651").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/20 10:34
S55	50	("4250856") or ("4255121") or ("4259362") or ("4277021") or ("4281518") or ("4281983") or ("4318392") or ("4318887") or ("4339014") or ("4347052") or ("4370969") or ("4387685") or ("4422389") or ("4453591") or ("4564442") or ("4575332") or ("4624191") or ("4862814") or ("4961462") or ("4995241") or ("4995376") or ("5007354") or ("5190096") or ("5313797") or ("5328777") or ("5351480") or ("5367985") or ("5432022") or ("5479907") or ("5585066") or ("5651320") or ("5668421") or ("5743085") or ("5773730") or ("5775891") or ("5879148") or ("5906111") or ("5910159") or ("5921078") or ("5937796") or ("5985475") or ("6004093") or ("6019080") or ("6077033") or ("6077072") or ("6089016") or ("6109865") or ("6120828") or ("6155043") or ("6155074")).PN.	OR	OFF	2010/04/20 10:44	
S56	30	S55 and S37	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 10:44
S57	3	S56 and (pressure near3 sens\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 10:44

S58	253	S37 and S38 and S39 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 11:37
S59	177	S58 not S41	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 11:37
S60	40	S59 and S29	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 11:38
S61	1	S59 and S30	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 11:38
S62	171	(secondary air) with ((multipl\$5 or plural\$4) near3 (cylinder or pipe or piping or conduit))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/20 11:43
S63	230	(secondary air) with ((multipl\$5 or plural\$4) near3 (cylinder or pipe or piping or conduit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 11:43
S64	12	S63 same valve same pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 11:43
S65	111	S63 and engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 11:44
S66	80	S63 and (internal combustion engine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/20 11:44

S67	1908	(60/287-294).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/21 11:22
S68	1459	(60/277).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/21 11:22
S69	227	S67 and S68	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/21 11:23
S70	724	(60/289,293).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/21 11:24
S71	118	S70 and S68	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/21 11:24
S72	79	S71 and (pump same valve)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/21 11:24
S73	2	(11/197507).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/21 11:25

### EAST Search History (Interference)

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4/21/2010 1:19:29 PM

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